October 2003

Periodic Introduction of Sediment and Nutrients at Selected Diversion Sites Demonstration (MR-11)

Project Status

Approved Date: 2000
Cost: $1.5 million
Project Area: N/A
Status: Engineering and Design
Net Benefit After 20 Years: N/A
Project Type: Demonstration: Water Diversions

Location

This project will be located on the Mississippi River between Baton Rouge and the Gulf of Mexico. Possible sites for this sediment enrichment application could be both the Caernarvon freshwater diversion structure as well as a siphon diversion.

Problems

There is evidence that freshwater diversions from the Mississippi River do not provide as much sediment and nutrients into the adjacent wetlands as was formerly thought.

Restoration Strategy

The demonstration project will show how effective using a hydraulic pipeline dredge is to provide increased sediment through a diversion structure or siphon can be. Monitoring of the project will determine not only the characteristics of the sediment-input concentrations but also the subsequent effects in the outfall area.

Progress to Date

A study team has been assembled for preliminary engineering and design. Numerous potential sites have been considered. Both diversion structures and siphons are being considered as possible candidates for this demonstration project.

This project is on Priority Project List 9.

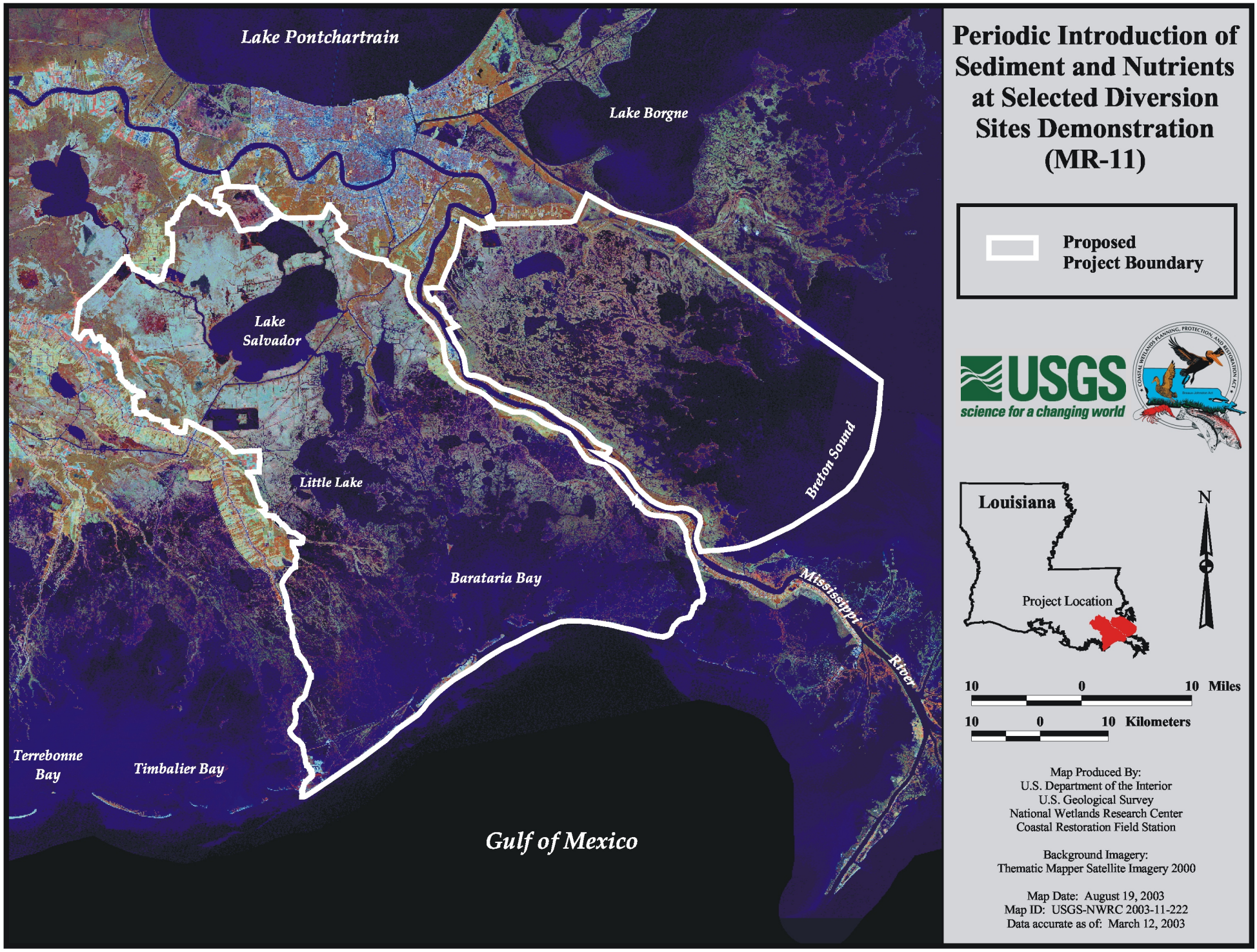
The Caernarvon diversion structure: a potential location of the sediment enrichment demonstration.

For more project information, please contact:

US Army Corps of Engineers
New Orleans District

Federal Sponsor:
U.S. Army Corps of Engineers
New Orleans, LA
(504) 862-1597

Local Sponsor:
Louisiana Department of Natural Resources
Baton Rouge, LA
(225) 342-7308



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Proposed Project Boundary

USGS science for a changing world

10 0 10 Miles

10 0 10 Kilometers

Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

Background Imagery:
Thematic Mapper Satellite Imagery 2000

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